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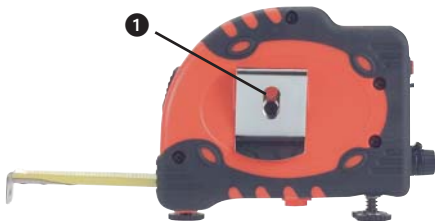


**GB** **Measuring Tape with Marking**

**IRL** **Laser KH 3229**

Operating instructions





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## Measuring Tape with Marking Laser

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# Measuring Tape with Marking Laser KH3229


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## Safety instructions

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### Injury Hazard!

- Do not allow the measuring tape to rewind itself without control.
- NEVER leave children unsupervised with the measuring tape.

 The appliance contains a Class 2 laser. NEVER direct the laser beam at people or animals. NEVER look directly into the laser. The laser can cause serious eye damage.

- Do NOT direct the laser beam at strongly reflective material. Reflected laser beams are also dangerous.

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## **Intended Usage**

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The Measuring Tape with Marking Laser serves for the measuring of lengths. Additionally, a horizontal or a vertical line can be projected. The Measuring Tape with Marking Laser is intended for private domestic use only, do not use it for commercial purposes.

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## Items supplied

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Measuring Tape with Marking Laser  
3 Button batteries LR44  
Operating instructions

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## Description of the appliance

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- ❶ Trouser clip
- ❷ Tape lock
- ❸ Measuring tape
- ❹ Foot screw
- ❺ Vertical spirit level
- ❻ Horizontal spirit level
- ❼ Foot screws
- ❽ Tripod thread
- ❾ Laser diode with covering flap
- ❿ Battery compartment
- ⓫ On/Off switch



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## Technical data

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Measurement accuracy :

Horizontally 0,5 mm / m

Vertically 2 mm / 3 m

Laser class: II

Wave length: 650 nm

Batteries : 3x LR44  
Button  
batteries

Measuring tape: 7,5 m

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## Inserting the batteries

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- Open the battery compartment 10.
- Ensure that the tape used to remove the batteries lies underneath the batteries.

- Insert the batteries into the battery compartment as shown on the battery compartment lid 10.
  - Close the battery compartment lid.
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## Using the measuring tape

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With the measuring tape you can read off measurements of length in the metric system or in the Anglo/American system. The upper scale shows lengths in feet and inches, the lower scale in meters and centimeters.

- Pull out the measuring tape 3 to the length required.

- Restrain the measuring tape ③, in that you slide the tape lock ② downwards.

**⚠ Injury hazard!**

Never allow the measuring tape ③ to rewind itself without control.

- When you want to rewind the measuring tape ③, hold the end firmly and slide the tape lock ② upwards.
- Now permit the measuring tape ③ to rewind slowly, without letting go of it.

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## Using the laser

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### **Injury Hazard!**

- NEVER direct the laser beam at people or animals. NEVER look directly into the laser. The laser can cause serious eye damage.
- Do NOT direct the laser beam at strongly reflective material. Reflected laser beams are also dangerous.

### **Using the laser with a tripod**

The tripod is not supplied. You can use a standard commercial tripod with a 3/8" thread (for example, a camera tripod).

- Screw the measuring tape onto the tripod with the tripod thread **8**.
- Adjust the tripod to the required height.
- Align the Measuring Tape with Marking Laser such that the bubbles in the spirit levels **5** and **6** lie exactly between the markings. Tilt and incline the tripod to do this.
- Press the On/Off switch **11** to activate the laser.
- Turn the covering flap **9** all the way to the left or right, dependant on whether you wish to project a vertical or a horizontal line.

- Direct the laser line onto the desired wall.

If you direct the laser beam in horizontal adjustment into a corner, the laser beams on both walls and in the corner are at exactly the same distance from the floor (see Fig.2: 3 Point measurement).

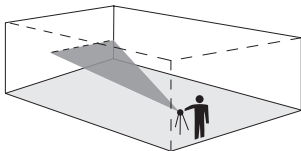


Fig. 1: Horizontal measurement

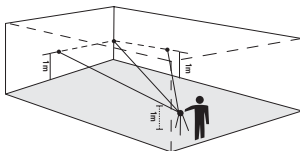


Fig. 2: 3 Point measurement

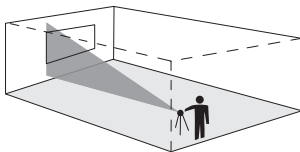


Fig. 3: Vertical measurement

### Using the laser without a tripod

- Place the Measuring Tape with Marking Laser on the levellest possible surface.

- Press the On/Off switch ⑪ to activate the laser.
- Adjust the Measuring Tape with Marking Laser, with the assistance of the foot screws ⑦, such that the bubbles in the spirit levels ⑤ and ⑥ lie exactly between the markings. If you screw out the foot screw ⑦ a little further, you can project the laser line somewhat higher.
- Direct the laser line onto the desired wall.
- Turn the covering flap ⑨ all the way to the left or right, dependant on whether you wish to project a vertical or a horizontal line.



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## Cleaning and Care

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- Clean the appliance with a lightly moist cloth. Never use aggressive cleansers. They can damage the surfaces.
  - Do not permit fluids to permeate into the interior of the appliance.
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## Disposal

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**Do not dispose of the appliance  
in your normal domestic  
waste.**

Dispose of the appliance through an approved disposal centre or at your community waste facility.

Observe the currently applicable regulations. In case of doubt, consult your local disposal facility.

### **Disposing of batteries!**

Batteries must not be disposed of in the household waste. Every consumer is legally obliged to dispose of batteries at a collection site of his community/city district or at a retail store.

This obligation is intended to ensure that batteries are disposed of in an environmentally safe fashion. Only dispose of batteries when they are fully discharged.

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## Service

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## **Importer**

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